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## Ukraine

### Poultry and Products

### Broiler Production Time Series Correction

2004

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**Report Highlights:**

FAS/Kiev proposes corrections to the existing USDA series for Ukraine's broiler production. The old series inadvertently reflected live weight production. The new series better indicates production trends over the past decade, eliminates the chronic over-estimate of Ukraine's domestic poultry production, and modifies market share for domestic production and trade.

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Includes PSD Changes: Yes  
Includes Trade Matrix: No  
Unscheduled Report  
Kiev [UP1]  
[UP]

## Data Problem Identified

Analysis of the existing time series for Ukrainian broiler production revealed two major problems.

- Since official Ukraine broiler production data is not freely available from the Ukrainian State Statistics Committee, Post has been using poultry production data provided by the Ukrainian Association of Poultry Producers as the basis for broiler production numbers. Post has recently discovered that this data is not, in fact, dead weight broiler production but live weight equivalent. Consequently, the Ukraine broiler data series reflects an upward bias for all poultry GAIN reports prepared to date.
- The current Ukraine broiler production data series maintained by USDA has two clearly distinguished time periods: 1989-1994 and 1995-2003. The data series reflects an enormous drop (by a factor of 5.2) in poultry production between 1994 and 1995. Official Ukrainian statistical data does not support this abrupt production decline. Rather, the contraction in production during the mid-90's followed a smooth downward trend. This data series problem was apparently the result of different statistical sources used for the same indicator.

## Proposed Solutions

It is proposed to replace the existing USDA time series with a new series provided in Table 1.

This new series reflects official broiler production in Ukraine as collected by the State Statistics Committee. As the series is reported in live weight equivalent, some conversion factor must be used to get "ready-to-cook" (RTC) equivalent, as requested in the reporting instructions.

The State Statistics Committee could not provide a single conversion factor for poultry. The Ukrainian Association of Poultry Producers uses various conversion factors, depending on whether the chickens have been completely drawn or semi-drawn. The fifteen-year aggregate average conversion factor of 0.74 was used as a conversion factor for the new data series.

Since Ukraine's poultry export and import statistics in recent years have become quite reliable, it is proposed to modify consumption numbers in order to balance the table. It must be noted that customs statistics were not properly collected during the early years of Ukraine's independence (1991-1994). It is also very difficult to assess exports and imports for 1989-1991 when Ukraine was still a Republic in the Soviet Union. Post proposes to leave existing trade numbers unchanged.

Please note that the new production column is the only change proposed to the existing USDA/FAS data table. New PSD tables are required to reflect these production changes.

Table 2 below incorporates new production and trade data and replaces the PSD table provided in GAIN Report #UP4005.

Table 1. Broiler production in Ukraine, 1989-2004, 1000 MT,\*

Year	Beginning Stocks	Production	Proposed Production	TOTAL Imports	TOTAL SUPPLY	Proposed TOTAL SUPPLY	TOTAL Exports	Total Dom. Consumption
1	2	3	4	5	6	7	8	9
1989	0	396	179	0	396	179	20	376
1990	0	388	177	0	388	177	27	361
1991	0	374	148	0	374	148	35	339
1992	0	275	112	1	276	113	0	276
1993	0	230	78	1	231	79	0	231
1994	0	210	45	2	212	47	2	210
1995	0	40	27	59	99	86	0	99
1996	0	21	20	95	116	115	0	116
1997	0	11	9	57	68	66	0	68
1998	0	20	19	50	70	69	0	70
1999	0	20	12	87	107	99	0	107
2000	0	35	20	25	60	45	0	60
2001	0	60	49	64	124	113	0	124
2002	0	130	102	61	191	163	3	188
2003	0	170	140	42	212	182	1	211
2004	0	190	197	31	221	228	1	220

(Table 1 continued)

Proposed Total Dom. Consumption	TOTAL Use	Proposed TOTAL Use	Ending Stocks	TOTAL DISTRIBUTION	Proposed TOTAL DISTRIBUTION
10	11	12	13	14	15
159	396	179	0	396	179
150	388	177	0	388	177
113	374	148	0	374	148
113	276	113	0	276	113
79	231	79	0	231	79
45	212	47	0	212	47
86	99	86	0	99	86
115	116	115	0	116	115
66	68	66	0	68	66
69	70	69	0	70	69
99	107	99	0	107	99
45	60	45	0	60	45
113	124	113	0	124	113
160	191	163	0	191	163
181	212	182	0	212	182
227	221	228	0	221	228

\* No changes were made to TOTAL Imports for 2003 and 2004.

**Table 2. Ukraine Chicken Production, Supply and Demand Table (1000 MT, Million head)**

	2002	Revised	2003	Estimate	2004	Forecast
	USDA Official [Old]	Post Estimate [New]	USDA Official [Old]	Post Estimate [New]	USDA Official [Old]	Post Estimate [New]
<b>Market Year Begin</b>		01.2002		01.2003		01.2004
Inventory (Reference)	0	0	0	0	0	0
Slaughter (Reference)	0	0	0	0	0	0
Beginning Stocks	0	15	0	0	0	0
Production	130	102	170	140	190	197
Whole, Imports	2	2	2	4	1	3
Parts, Imports	59	59	40	82	30	61
Intra EC Imports	0	0	0	0	0	0
Other Imports	0	0	0	0	0	0
TOTAL Imports	61	61	42	86	31	64
TOTAL SUPPLY	191	178	212	226	221	261
Whole, Exports	3	0	0	0	1	0
Parts, Exports	0	3	1	1	0	1
Intra EC Exports	0	0	0	0	0	0
Other Exports	0	0	0	0	0	0
TOTAL Exports	3	3	1	1	1	1
Human Consumption	188	175	211	225	220	260
Other Use, Losses	0	0	0	0	0	0
Total Dom. Consumption	188	175	211	225	220	260
TOTAL Use	191	178	212	226	221	261
Ending Stocks	0	0	0	0	0	0
TOTAL DISTRIBUTION	191	178	212	226	221	261
Calendar Yr. Imp. from U.S.	20	20	10	4	0	40